

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
		(filter\$4 adj bank) same (bandpass adj filter\$1) same frequency same audio same (absolute adj value\$1) or window\$1))	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/08/02 14:28
L1	5069	(processor same variable same amplifier smae audio same output same generat\$4 same level same frequency same band)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/08/21 13:42
L2	45	((381/308).CCLS.)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/08/21 13:44
L3	420	((381/94.1).ccls.)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/08/21 13:44
L4	633	((381/92).ccls.)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/08/21 13:44
L5	0	1 and 2 and @ay<="2003"	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/08/21 13:45
L6	6	1 and 3 and @ay<="2003"	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/08/21 13:48
L7	6	1 and 4 and @ay<="2003"	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/08/21 13:48

## EAST Search History

S1	57	(("5812678") or ("4829729") or ("5289544") or ("4381488") or ("4928264") or ("5412735") or ("4847897") or ("4884486") or ("4920570") or ("5220687") or ("5388160") or ("5492129") or ("5557673") or ("5651071") or ("5751658") or ("6097819") or ("6134331") or ("6161434") or ("4328485") or ("4328589") or ("4335452") or ("5023913") or ("5402496") or ("5410632") or ("5696833") or ("5729612") or ("5933506") or ("5991277") or ("6058194") or ("6169806") or ("6205423") or ("6244376") or ("6271771") or ("3889059") or ("4105865") or ("4271843") or ("4306113") or ("4313445") or ("4316058") or ("4331837") or ("4355203") or ("4365115") or ("4366578") or ("4380004") or ("4416155") or ("4450436") or ("4453809") or ("4455677") or ("4458362") or ("4458690")).PN.	US-PGPUB; USPAT; USOCR; EPO	OR	OFF	2007/07/28 12:08
S2	6	(("4,479,237") or ("4,641,344") or ("4,944,018") or ("5,208,866") or ("5,872,852") or ("5,907,622")).PN.	US-PGPUB; USPAT; USOCR; EPO	OR	OFF	2007/03/01 14:37
S3	30	("4061874"   "4247955"   "4479237"   "4553257"   "4558460"   "4641344"   "4868881"   "4944018"   "5018205"   "5034984"   "5107539"   "5204971"   "5208866"   "5396562"   "5509081"   "5550922"   "5640450").PN. OR ("5907622").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/09 12:01
S4	1	"20010038702"	USPAT; USOCR; JPO	OR	ON	2007/03/09 13:46
S5	6	("4628530"   "5481615"   "5666424"   "5742694"   "6639989"   "6718041").PN. OR ("7158643").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/09 13:47
S6	19	("3973112"   "4458362"   "4549289").PN. OR ("4628530").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/09 14:15
S7	6	"6721428"	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/09 14:15

## EAST Search History

S8	5	("4548082"   "4577641"   "4615007"   "6292571"   "6721428").PN. OR ("6876750").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/09 14:21
S10	8	(("5243640") or ("6114774") or ("7039197") or ("6157725") or ("5661811") or ("20020067839") or ("5745583") or ("20010020193")).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/03/09 14:23
S11	1	("6259795").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/03/09 14:25
S12	10	((("5386478") or ("6118880") or ("7123731") or ("7095455") or ("7110558") or ("6954538") or ("4628530") or ("20040037433") or ("5872852") or ("10353805") or ("6564072")).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/03/09 14:30
S13	1	("6805633").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/03/09 14:30
S14	15	("4871176"   "5095798"   "5204971"   "5242163"   "5259613"   "5530761"   "5695188"   "5793874"   "5907622"   "5975528"   "6196918"   "6302790"   "6319125"   "6584201"   "6645078").PN. OR ("6805633").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/09 14:31
S15	30	("4061874"   "4247955"   "4479237"   "4553257"   "4558460"   "4641344"   "4868881"   "4944018"   "5018205"   "5034984"   "5107539"   "5204971"   "5208866"   "5396562"   "5509081"   "5550922"   "5640450").PN. OR ("5907622").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/09 14:33
S16	53	"5243640"	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/25 13:28
S17	20	("3973112"   "4458362"   "4549289").PN. OR ("4628530").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/25 13:31
S18	30	("2338551"   "2468205"   "2616971"   "3009991"   "4254303"   "4306115"   "4458362"   "4583245"   "4602337"   "4628530"   "4888808").PN. OR ("5046101").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/25 13:35

## EAST Search History

S19	2138	((381/56-58 or 381/107-108).ccls.)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/08/21 12:09
S20	867	((381/103 or 381/96).ccls.)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/08/21 12:09
S21	94	noise same compensat\$4 same (filter\$4 adj bank)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/07/26 11:28
S22	4	S19 and S21 and @ay<="2003"	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/07/26 11:42
S23	20	("3973112"   "4458362"   "4549289").PN. OR ("4628530"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/26 11:31
S24	417	((381/94.1).ccls.)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/08/21 12:09
S25	1	S20 and S21 and @ay<="2003"	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/07/26 11:43
S26	1	S24 and S21 and @ay<="2003"	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/07/26 11:57
S27	75	S21 and @ay<="2003"	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/07/28 12:13
S28	631	((381/92).ccls.)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/08/21 12:10
S29	1	S28 and S21 and @ay<="2003"	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/07/26 12:45
S30	11	"4845758"	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/07/26 13:01

## EAST Search History

S31	5	(("5721783") or ("5751820") or ("6463128") or ("5734976") or ("5812598")).PN.	US-PGPUB; USPAT	OR	OFF	2007/07/26 13:03
S32	1	("5737433").PN.	US-PGPUB; USPAT	OR	OFF	2007/07/26 13:03
S33	1	("6754355").PN.	US-PGPUB; USPAT	OR	OFF	2007/07/26 13:08
S34	2	(("5721783") or ("5197332")).PN.	US-PGPUB; USPAT	OR	OFF	2007/07/26 13:09
S35	46	("3091234"   "4038496"   "4157456"   "4284847"   "4489610"   "4759070"   "4953112"   "4961230"   "4964304"   "4989251").PN. OR ("5197332").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/26 13:09
S36	50	("3594514"   "3764748"   "3870832"   "3882285"   "3905131"   "4505329"   "4548082"   "4615007"   "4628907"   "4756312"   "4776322"   "4817607"   "4840178"   "4918737"   "4957478"   "4964304"   "5012520"   "5015224"   "5015225"   "5081441"   "5163957"   "5197332"   "5210803"   "5220918"   "5259032"   "5282858"   "5303306"   "5338287"   "5420930"   "5425104"   "5428998"   "5456654"   "5531787"   "5554096"   "5615229"   "5624376"   "5645074"   "5654530"   "5682020"   "5701348"   "5721783"   "5833626"   "6302438"   "6304179"   "6366863"   "6408081"   "6620110"   "6643378"   "6648813"   "6658126").PN. OR ("7016504").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/26 13:10
S37	33	("3757769"   "4002161"   "4118599"   "4139728"   "4219696"   "4289143"   "4567881"   "4759070"   "4774515"   "4809708"   "4841986"   "5007090"   "5173944").PN. OR ("5645074").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/26 13:11
S38	0	nisuhan.xp.	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/27 14:23
S39	226	suhan.xp.	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/27 14:23

## EAST Search History

S40	1369562	suhan.xp. and hearing aid	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/27 14:23
S41	68	suhan.xp. and (hearing adj aid)	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/27 14:27
S42	31	suhan.xa. and (hearing adj aid)	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/27 14:27
S43	1	(filter\$3 adj bank) same (bandpass adj filter\$1) same frequency same audio same ((absolute adj value\$1) or window\$1)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/07/28 12:14
S44	329	(filter\$3 adj bank) and (bandpass adj filter\$1) and frequency and audio and ((absolute adj value\$1) or window\$1)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/07/28 12:14
S45	280	S44 and @ay<="2003"	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/07/28 12:15
S46	517	(filter\$3 adj bank) same (bandpass adj filter\$1) same frequency	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/07/28 12:14
S47	78538	audio and ((absolute adj value\$1) or window\$1)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/07/28 12:15
S48	110	S46 and S47 and @ay<="2003"	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/07/28 12:15
S49	2	(("20050175210") or ("20030081766")).PN.	US-PGPUB; USPAT	OR	OFF	2007/07/28 16:41
S50	2	(mirror adj hous\$3) same \$4speaker\$1 same ( bass adj reflex adj system)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/07/31 09:49
S51	9	( hous\$3) same \$4speaker\$1 same ( bass adj reflex adj system)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/07/31 09:51
S52	103	( hous\$3) same \$4speaker\$1 same ( bass adj reflex)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/07/31 09:52

## EAST Search History

S53	59	S52 and @ay<="2002"	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/07/31 10:03
S54	1	("20020032510").PN.	US-PGPUB; USPAT	OR	OFF	2007/07/31 10:03
S55	1	processor same (variable adj amplifier\$1) same generate\$3 same ( audio adj output\$4) same (frequency adj band\$1)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/08/02 12:06
S56	14	processor and (variable adj amplifier\$1) and generate\$3 and ( audio adj output\$4) and (frequency adj band\$1)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/08/02 12:06
S57	11	S56 and @ay<="2003"	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/08/21 13:45
S58	20	("3789313"   "4327250"   "4429181"   "4696044"   "4739514"   "4750207"   "4940977"   "5170434"   "5172358"   "5200716"   "5285502"   "5331299"   "5337368"   "5371803"   "5550925"   "5574398"   "5907623"   "5910904"   "5974156"   "RE37223").PN. OR ("7171010").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/08/02 12:12
S59	15	((381/308).CCLS.) AND BAFFLE	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/08/02 14:31
S60	45	((381/308).CCLS.)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/08/21 12:10
S61	2156	((381/56-58 or 381/107-108).ccls.)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/08/21 12:09
S62	870	((381/103 or 381/96).ccls.)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/08/21 12:09
S63	420	((381/94.1).ccls.)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/08/21 13:43

## EAST Search History

S64	633	((381/92).ccls.)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/08/21 13:43
S65	45	((381/308).CCLS.)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/08/21 13:44
S66	30	((381/308).CCLS.) and @ay<="2003"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/08/21 12:27
S67	340	(processor same variable same amplifier smae audio same output same generat\$4 same level same frequency same band).clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/08/21 12:26
S68	5466	(processor same variable same amplifier smae audio same output same generat\$4 same level same frequency same band)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/08/21 13:42
S69	51	S61 and S68 and @ay<="2003"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/08/21 12:55
S70	18	S62 and S68 and @ay<="2003"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/08/21 12:56
S71	6	S63 and S68 and @ay<="2003"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/08/21 12:56